

UNIVERSITY OF TOLEDO

SUBJECT: Medical Event Involving Radiation Generating Equipment

Procedure No: HM-08-048

PROCEDURE STATEMENT

General administration requirements for a medical radiation-generating equipment Medical Event as defined in OAC 3701:1-66-02 (K-L)

PURPOSE OF PROCEDURE

To define a medical event involving radiation generating equipment and reporting requirements.

DEFINITION

"Medical event" means one or more of the following criteria have occurred to a human patient:

- (a) Unintended skin dose to the same area in a single procedure greater than 2 sievert (200 rem);
- (b) Unintended dose other than skin dose in a single procedure greater than:
 - (i) 0.5 sievert (50 rem) to any organ; or
 - (ii) 0.05 sievert (5 rem) effective dose equivalent;
- (c) Wrong patient or wrong site for entire procedure when the resultant dose is:
 - (i) Greater than 0.5 sievert (50 rem) to any organ; or
 - (ii) Effective dose equivalent greater than or equal to 0.05 sievert (5 rem).

PROCEDURE

Upon discovery of a medical event, the handler shall:

1. Contact the department regarding the medical event within one business day;
2. Provide a written report, including the analysis of the medical event, by a radiation expert to the department within fifteen business days of the medical event. The written report must include:
 - (a) The handler or registrant's name;
 - (b) The name of the prescribing physician;
 - (c) A brief description of the event including the body site, dose delivered and any critical structures involved;
 - (d) Why the event occurred;
 - (e) The effect, if any, on the individual who received the medical event;
 - (f) Actions, if any, that have been taken, or are planned, to prevent recurrence; and
 - (g) Certification that the handler notified the individual, or the individual's responsible relative or guardian, and if not, why not.
3. Provide a clinical summary to the prescribing physician and patient within fifteen business days; an
4. Maintain record of the medical event as part of the patient's permanent medical record.
5. The written report in (as defined in #2) shall not contain the individual's name or any other information that could lead to the identification of the individual.

Approved By:

Joseph Agosti CNMT
Radiation Safety Officer
Individual Responsible for Radiation Protection

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